

915/1064nm Mini-Size WDM/Isolator Hybrid for Pulse Power

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- CATV Networks

SPECIFICATIONS

Parameters	Unit	Value		
Signal Wavelength Range λ_1	nm	1064+/-10		
Pump Wavelength Range λ_2	nm	915+/-10		
Insertion Loss@23°C	Signal Channel@ λ_1	dB	≤ 2.9	≤ 3.4
	Pump Channel@ λ_2	dB	≤ 1.0	
Signal Isolation (23°C, All SOP)	dB	≥ 22		
Wavelength Isolation	Signal Channel@ λ_2	dB	≥ 25	
	Pump Channel@ λ_1	dB	≥ 12	
Optical Return Loss	dB	≥ 45		
Polarization Dependent Loss	dB	≤ 0.20		
Fiber Type	Common & Signal Port	-	HI780 Fiber, HI1060 Fiber or 10/125um SC Fiber (E) 10/125um DC Fiber (O) or 15/130um DC Fiber (W) 20/130um DC Fiber (Q) or 25/250um DC Fiber (R)	
	Pump Port	-	Same Fiber, HI780 Fiber or HI1060 Fiber	
Fiber Tensile Load	N	5		
Max. Signal Average Optical Power	W	0.5, 1	2, 3, 4, 5	
Max. Pump Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10		
Max. Peak Power for pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20		
Operating Temperature	°C	0~50		
Storage Temperature	°C	-40~85		

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

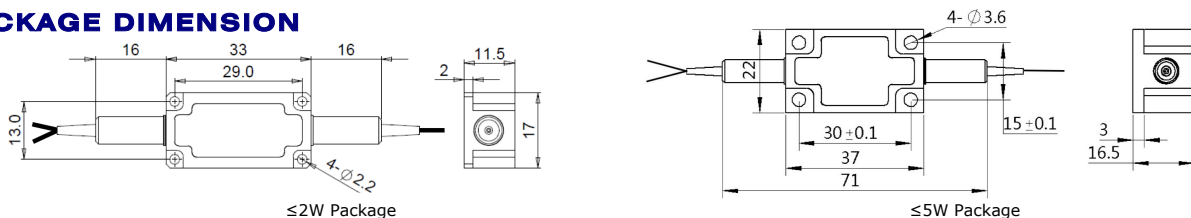
2. SOP= State of Polarization.

3. To add connectors, IL is 0.7dB higher, RL is 5dB lower.

4. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

5. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

FHWM-9106-MC	(C)	-H NN	P NN	-(NN)	-(C)	C	NN	- CC/CCC
Pump Type	Pump Fiber	Average Power	Peak Power	Pump Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
F= Forward	H= HI780 Fiber	05=500mW	01=100W	05=500mW	H=HI1060 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
B=Backward	Blank for Same Fiber	1= 1W	1= 1kW	1=W	E=10/125 SC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
		2= 2W	5= 5kW	10=W	R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
		5=5W	10=10kW	Blank for 300mW	Blank for HI780 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector